

REMARKS

Upon entry of the present amendment, claims 1-9 and 11-30 will have been amended for consideration by the Examiner.

Initially, Applicants would like to express their appreciation to the Examiner for the detailed Official Action provided, for acknowledgment that the drawings are acceptable, and for the acknowledgment of Applicants' Claim for Priority and receipt of the certified copy of the priority document.

Applicants acknowledge with appreciation the indication that claims 3-10, 13, 14, and 18-30 contain allowable subject matter on page 3 of the Official Action.

Claims 1-30 are currently pending. Applicants respectfully request reconsideration of the outstanding objections and rejections and allowance of all the claims pending in the present application.

The Examiner has objected to claim 12 as failing to provide antecedent basis for "the expansion element" in claim 12. Applicants have amended claim 12 to recite "the expansion valve" which finds antecedent basis in claim 1. Thus, Applicants respectfully assert that the objection to claim 12 has been overcome.

On pages 2 and 3 of the Official Action, claims 1, 2, 11, 12, 15, 16, and 17 were provisionally rejected under the "nonstatutory doctrine" of obviousness type double patenting over claims 1-4, 8-10, and 20 of copending U.S. Application No. 10/643,912. Although Applicants do not necessarily agree with the rejections of claims 1, 2, 11, 12, 15, 16, and 17 on these grounds, nevertheless, Applicants have

submitted herewith a Terminal Disclaimer in order to expedite prosecution of the present application. Accordingly, it is believed that the provisional rejections of claims 1, 2, 11, 12, 15, 16, and 17 under the "nonstatutory doctrine" of obviousness type double patenting is now moot.

Applicants are filing a terminal disclaimer herewith merely to remove any issue as to whether the claims of the above-identified application and those of copending U.S. Application No. 10/643,912 in any way conflict. However, neither Applicants nor the assignee intend to make any representation as to whether the invention defined by any of the claims of either of the above-identified applications would have been obvious in view of each other or any other pending application or issued patent or whether an obviousness-type double patenting rejection would be appropriate if the enclosed terminal disclaimer were not filed. The terminal disclaimer is being filed only to expedite the allowance of the pending claims.

Accordingly, Applicants respectfully request reconsideration and withdrawal of all the rejections, and an early indication of the allowance of claims 1-30.

Additionally, minor amendments have been made to claims 1-9 and 11-30 in order to improve the language thereof. In these amendments, Applicants have made changes to the language of the claims to render the same more self consistent, as well as more fully in compliance with U.S. syntax, idiom and

grammar. These amendments do not change the scope of the claims but are merely cosmetic changes that give rise to no file wrapper estoppel.

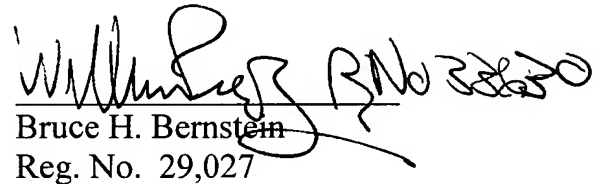
SUMMARY AND CONCLUSION

Entry and consideration of the present response, reconsideration of the outstanding Official Action, and allowance of all of the claims in the present application are respectfully requested and now believed to be appropriate.

Applicants have made a sincere effort to place the present application in condition for allowance and believe that they have now done so.

Should the Examiner have any questions, the Examiner is invited to contact the undersigned at the below-listed telephone number.

Respectfully submitted,
Jong Han PARK et al.


Bruce H. Bernstein
Reg. No. 29,027

August 18, 2004
GREENBLUM & BERNSTEIN, P.L.C.
1950 Roland Clarke Place
Reston, VA 20191
(703) 716-1191